dTective 7.0 Release Notes

Date 5.29.12 - Red indicates programs that are updated

Program	dTective 7.0	dTective 6.1.2	dTective SP2
dTective AVX plug-ins	AVX 2.0 (64/32bit)	AVX 1.5 (32bit)	AVX 1.5 (32bit)
ClearID	2.6.1	2.5	2.0.2
archive-R	1.0.4	1.0.4	Not Included
DVR dCoder	2.5.3	2.5.3	2.5.3
dPlex Pro	2.5.2	2.5.1	2.5.1
dTective Manual	v7.6.2	v7.6.2	v7.6
Support Date*	4/1/11	4/1/2010	1/14/2007
Release Date	05/29/2012	07/11/2011	9/14/2010

*Free upgrade to customers that are in support as of this date.

dTective AVX 2.0 plug-ins

- dTective plug-ins upgraded to AVX 2.0 from AVX 1.5
- AVX 2.0 provides advanced keyframing
- SpotLight and MAGNIFi keyframing updated to resolve keyframe tweening issue
- dVeloper and dVeloper 4D are now combined into one plug-in with updated functionality
- dTective AVX 2.0 suite now requires only one unlock code to unlock all the plug-ins
- Color Safe Level, Color Safe Curves and UNR AVXs were not converted to AVX 2.0

ClearID v2.6.1

- Compatible with Adobe Photoshop CS6 in 32bit mode
- New registration/unlock code screen and new online unlock code request processing
- Fixed Microsoft Share Point conflict with Interactive Deblur

dPlex Pro v2.5.2

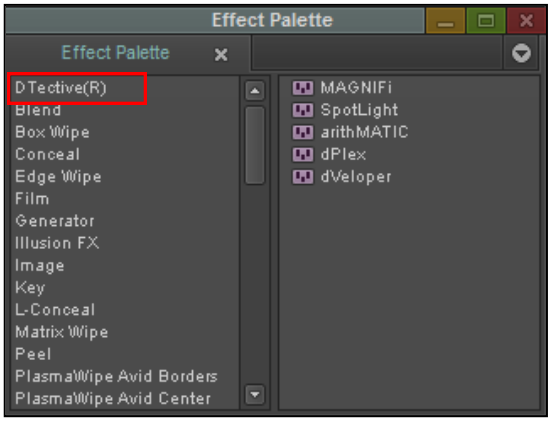
- Fixed camera name hieroglyphic issue. Certain characters used to cause problems when saving camera views
- Fixed controls from getting misaligned when the dPlex Pro window was resized. The “Matrix Display” would not align as you scaled the dPlex Pro window. This has been fixed
- Camera name field have been moved below the video cameras display and the fields have been made wider to allow for longer names
- dPlex Pro program icon updated to display larger Windows icon views

DVR dCoder

- DVR dCoder program icon updated to display larger Windows icon views.

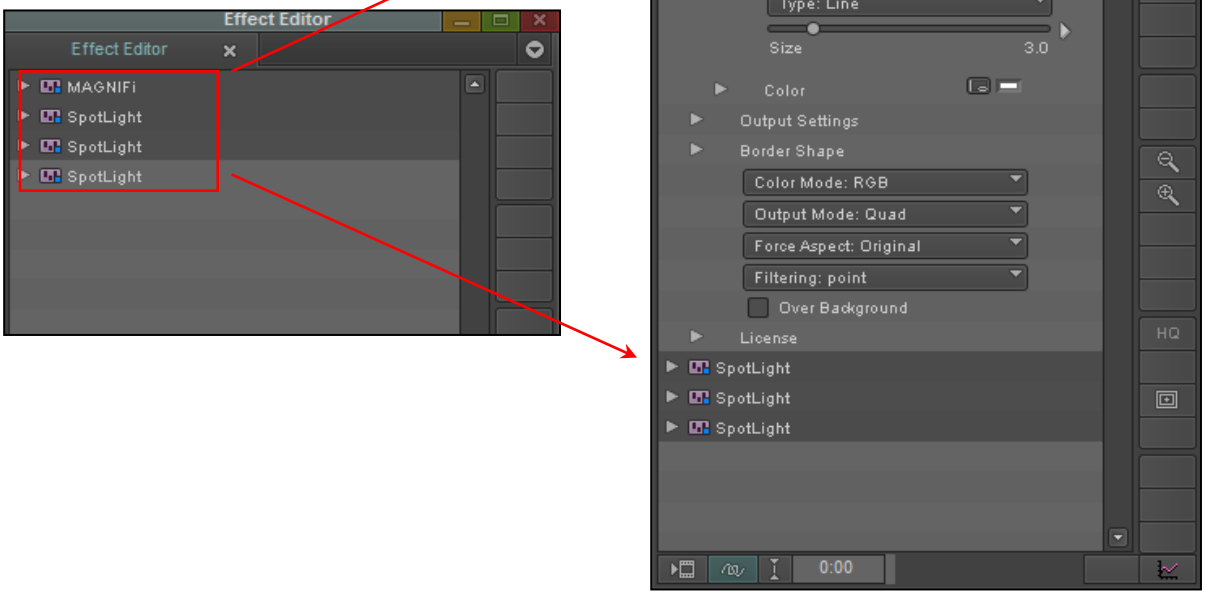
dTective AVX 2.0 plug-ins

The dTective AVX 2.0 plug-ins have been moved to the top of the list in the Avid Effects Pallet.



Avid Effects Editor - Multiple Plug-ins can now be edited without un-nesting

If you have multiple plug-ins on one video track, you do not need to un-nest the video track to edit each plug-in. Each plug-in can now be edited from inside one Effects Editor window.

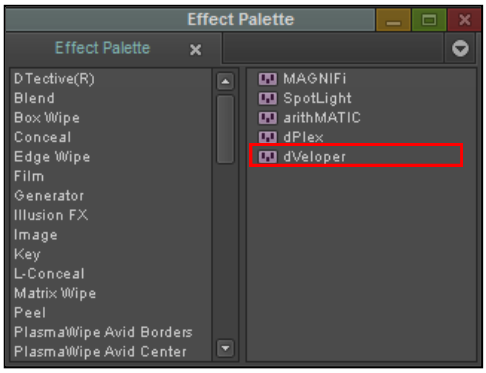


Keyframe editing in dTective AVX 2.0 Plug-ins have been standardized

When working with the dTective AVX 1.5 plug-ins, with some plug-ins, a key frame was created at the beginning and end of the video sequence when the plug-in was applied. Modifying the last key frame was required to prevent the effect from migrating to the setting in the last keyframe. To avoid this issue and make keyframing easier, each dTective AVX 2.0 plug-in has been standardized so that no keyframe(s) are automatically created at the beginning or end of you sequence when you apply a plug-in.

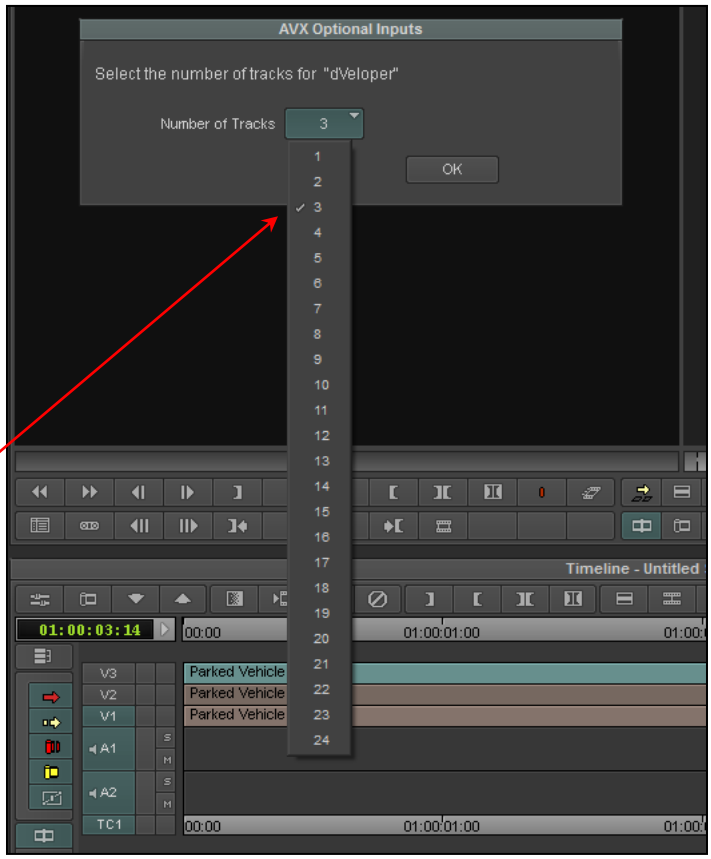
dVeloper and dVeloper 4D are now combined into one plug-in

Now when you apply dVeloper, you are asked how many tracks you want to frame average. If you select 1 track, you be operating with the standard dVeloper functionality. If you select more than 1 track, you can average a vertical stack of video (2-24 tracks) which is the dVeloper 4D functionally.



Avid Effect Pallet

From the effects pallet, drag dVeloper to the *upper most* video track you want included in your frame average. You will then be prompted to select the number of video tracks you want averaged.

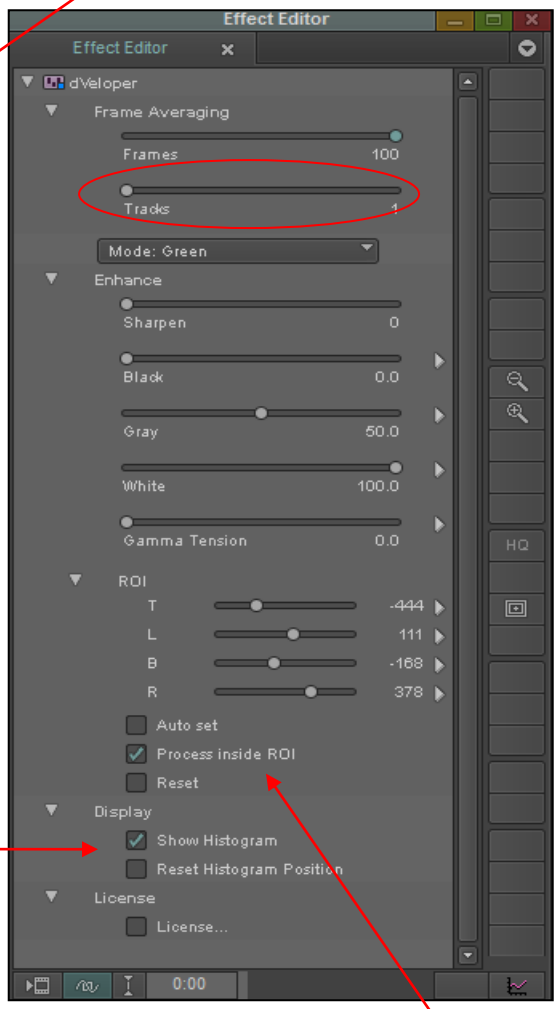


dVeloper and dVeloper 4D combined as one plug-in (Con't)

Note: If you are averaging together multiple video tracks (dVeloper 4D), you must also adjust the "Tracks" slider to match the amount of tracks you selected when you applied the plug-in.

All the settings for both dVeloper and dVeloper 4D are now accessible from within a single "Effects Editor" window. Once the "Effect Editor" is open, you will select your Region of Interest directly in the Avid Source Monitor Window.

Avid Media Composer - Source Monitor



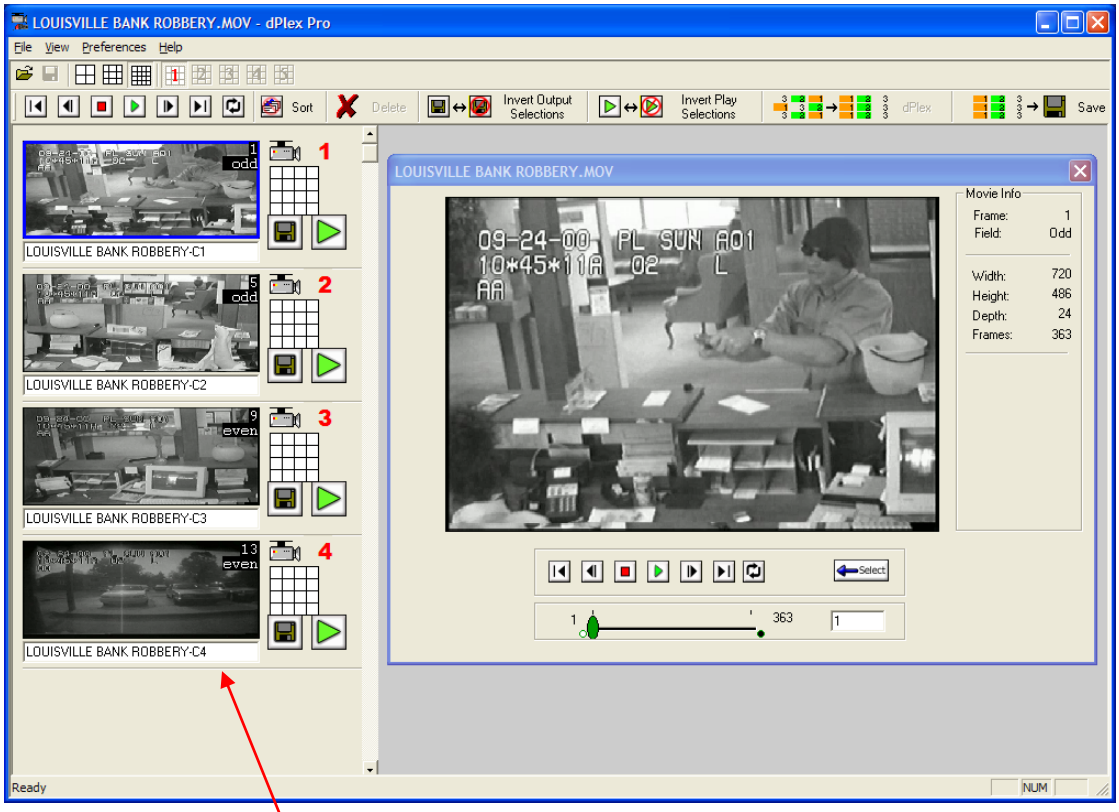
The Histogram is now displayed in the Avid Source Monitor. Click here to display the Histogram and you will see that it updates as you adjust your region of interest and other settings.

Realtime Results: Now from within the Effects Editor, as you change the number of frames, change color channels or make other adjustment, the display will update in realtime to match your settings. This includes adjustment to the number of frames you want to average together.

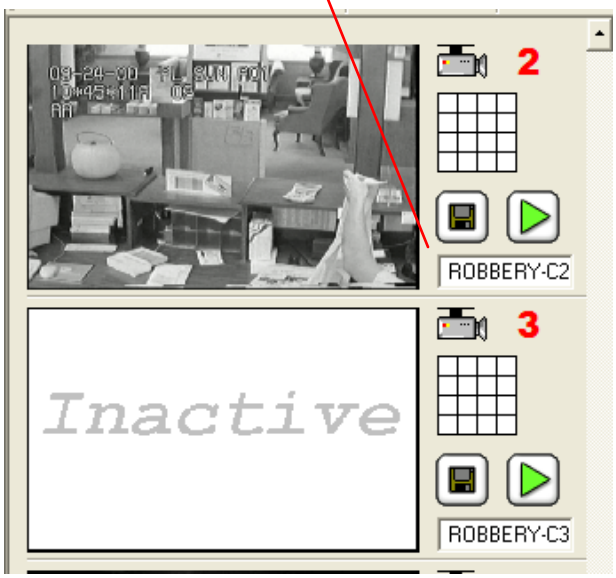
Frame Average Processing Updated The frame averaging processor now looks forward and backward when averaging frames. Previously the frame average processor would only look forward.

Process inside ROI (Region of Interest)
This is a new feature. Checking this box will show your developed results inside your selected region (ROI) only instead of across the entire image. Uncheck this box to show your developed result across the entire image.

dPlex Pro v2.52



Camera name field has been relocated under each camera and the field has been extended to accommodate longer camera names.



dPlex Pro v2.5.1

In dPlex Pro v2.5.1 – the name fields were to the right of the video camera display and the field was shorter.

dTective 7.0 Installation and Hardware Compatibility Information

Once you have completed the download request form, we will validate if you are in support and eligible for a free upgrade. If you are in support, we will email you any unlock codes that are required. If you are out of support, your sales representative will be notified so you can discuss your upgrade options. This single dTective 7.0 download includes both the dTective AVX 2.0 64bit (Avid Media Composer 6.0 compatible) and the dTective AVX 2.0 32bit versions which support Avid Media Composer 5.5 and earlier. The installer will auto detect what you have and install the correct version.

Avid	**Avid Media Composer 6.0**	**Avid Media Composer 5.5 and Earlier**
Bit Version	64 bit Only	32 bit Only
AVX Supported	AVX 2.0 64bit mode	AVX 2.0 & 1.5 32bit mode
OS supported	Window 7 64 bit only – Supports up to 192GB RAM	Window XP and Window 7 32bit – Supports up to 4GB of RAM
dTective Bundle	dTective 7.0 bundle with dTective AVX 2.0 64bit	dTective 7.0 bundle with dTective AVX 2.0 32bit
Graphics Card	Min FX 1500*	Min FX 1500
Video I/O Supported	Nitris DX, Matrox Mini	Nitris DX, Adreniline, Mojo, Mojo SDI
Video I/O Not supported	Adreniline, Mojo	Matrox Mini

*Requires nVidia drive 276.28

Avid Media Composer 5.5 or before

Installing dTective 7.0 for Media Composer 5.5 or earlier should be straight forward. Avid Media Composer 5.5 and previous versions is available as a 32bit program only, so the dTective AVX 2.0 plug-ins will install as 32bit version to match. Your existing hardware should not require any updates.

Avid Media Composer 6.0 64bit (May require hardware upgrades)

Avid Media Composer 6.0 is available as a 64bit version only. This provides for faster processing and it supports workstations with larger then 4GB of RAM. If you are interested in upgrading to Avid Media Composer 6.0, you may require hardware upgrades if you don't already own them.

Warning: Avid Mojo, Avid Mojo SDI and Avid Adrenaline are not longer supported with the release of Avid Media Composer 6.0. We have several video I/O replacement options which start at under $500.

Video I/O Supported for Media Composer 6.0 64bit

- Video I/O Support: Avid Nitris DX, Matrox Mini
- Video I/O Not Supported: Avid Mojo, Avid Mojo SDI and Avid Adrenaline

Other Systems Requirements

- Operating System: Windows 7 Professional 64bit
- RAM: Minimum 8GB but Windows 7 Professional 64bit can support more
- Graphics Card: Minimum of a nVidia FX 1500 or Quadro 600 with (driver 276.28)

Identify your graphics card:

http://www.oceansystems.com/support/faq/Avid/Avid_graphicscard_compatibility_chart.htm

Contact Us For Upgrade Options: If your system does not meet these minimum specifications, contact your sales representative to discuss upgrade options. Most systems purchased in the last 5 years can be upgraded inexpensively.

If your system meets these specifications

Install the Avid Media Composer 6.0 64bit upgrade and then install your dTective 7.0 download. The dTective 7.0 installer will auto detect your Avid version and install the new dTective 7.0 AVX 2.0 64bit version of the plug-ins along with the other dTective suite upgrades.

dTective v6.1.2 Release Notes

Remove any previous installation of dTective via add/remove programs before proceeding.

archive-R v1.0.4 and 1.0.3 Update and Fixes

1) Floating-point error. In rare situations, this would result in restoration of bad files.
2) Blu-ray over burn error. If project is near or over 25GB, this error prevented the burner from correctly closing out the burned session resulting in an incomplete burn to disc.
3) Addressed some compatibility issues with Windows 7
4) Online purchasing feature added to help menu

Program	Version 6.1.2	Version 6.1.1	Version SP2	Version SP1
ClearID	2.5(1)	2.5(1)	2.0.2	2.0.1
archive-R	1.0.4	1.0.2(2)	Not Included	Not Included
DVR dCoder	2.5.3	2.5.3	2.5.3	2.5.2(2)
dPlex Pro	2.5.1	2.5.1	2.5.1	2.5.0
dTective Manual	v7.6.2	v7.6	v7.6	v7.1
Support Date(3)	4/1/2010	4/1/2010	1/14/2007	1/14/2007
Release Date	06/2011	11/2010	9/2010	2/2010

(1) ClearID v2.5 requires a new unlock code if running a previous version. ClearID will run in full-featured trial mode until it is unlocked.

(2) archive-R requires an unlock code. If you already installed and unlocked archive-R version 1.0, this does not apply.

(3) If you were in support on or after this date you are eligible for this version.

Contact us if you have any questions so we can assist you.

301-476-8015
sales@oceansystems.com
support@oceansystems.com

dTective 6.1.1 Release Notes - the release is a patch to dTective v6.1

You Do Not Need to Uninstall Your Previous Version of dTective before installing this version; the installer will uninstall your previous installation.

archive-R v1.0.2 Update and Fixes

1) DVD Burning/Spanning now supports projects over a Terabyte in size.
2) DVD Spanning – Resolves intermittent issue some users had with spanning across and restoring project that spanned multiple DVDs
3) Restoring: Systems with Multiple Burners – Now ejects the right drive
4) International Customers – Now support International installations of Windows.

Program	Version 6.1.1	Version SP2	Version SP1
ClearID	2.5(1)	2.0.2	2.0.1
archive-R	1.0.2(2)	Not Included	Not Included
DVR dCoder	2.5.3	2.5.3	2.5.2(2)
dPlex Pro	2.5.1	2.5.1	2.5.0
dTective Manual	v7.6	v7.6	v7.1
Support Date(3)	4/1/2010	1/14/2007	1/14/2007
Release Date	11/2010	9/2010	2/2010

(1) CID v2.5 requires a new unlock code if running a previous version. CID will run in full featured demo until it is unlocked.

(2) archive-R requires an unlock code. If you already installed and unlocked archive-R version 1.0, this does not apply.

(3) If you were in support on or after this date you are eligible for this version.

Contact us if you have any questions so we can assist you.

800-253-7516
sales@oceansystems.com
support@oceansystems.com

dTective v6.1 Release Notes (Summary)

The following features are cumulative to those listed in previous releases.

1 – ClearID v2.5

There are many new features in CID v2.5 from the previous release CID 2.0.2. They include real-time preview windows for Lens DeBlur, Motion De-Blur, Ultimate Sharpener, Pattern Remover and Freq. Filters. Plus you get a new super-resolution workflow, an amazing new interactive color channel selector, updated HTML Verification Report, updated field alignment tool with keyboard commands and more. (Video available*) View the CID v2.5 release notes for more information.

2 – archive-R v1.0.1

archive-R is a digital asset archiving solution from Ocean Systems (Video*)

3 – DVR dCoder v2.5.3 – Improved Audio and QT Support of AMA

Audio frame sync has been updated and the QT files exported are supported in Avid Media Composer v5.0 which adds Avid QT AMA support for direct file access without importing the media into Avid. Supported files include uncompressed QT files exported from dPlex Pro and DVR dCoder v2.5.3. Learn more in section C.

4 – New Programs Folder structure for Ocean Systems programs

If you go start/programs, everything is now stored under a unified Ocean Systems folder. Example: Ocean Systems/dTective, Ocean Systems/ClearID, etc.

5 – ClearID Manual Added to Programs Folder

You now have easy access to the ClearID manual under Programs/Ocean Systems/ClearID so you can reference it without launching Photoshop and ClearID

6 – Online Video Link added to Ocean Systems Programs Folder

From any system with internet access you can view overview videos of current feature and updated workflows using our latest tools.

7 – Training Manual 7.6

(*Video) = Overview video available on OceanSystems.com

Program Update Summary By Release

Program	Version 6.1	Version SP2	Version SP1
ClearID	2.5(1)	2.0.2	2.0.1
archive-R	1.0.1(2)	Not Included	Not Included
DVR dCoder	2.5.3	2.5.3	2.5.2(2)
dPlex Pro	2.5.1	2.5.1	2.5.0
dTective Manual	v7.6	v7.6	v7.1
Support Date(3)	4/1/2010	1/14/2007	1/14/2007
Release Date	9/2010	9/2010	2/2010

(1) CID v2.5 requires a new unlock code if running a previous version. CID will run in full featured demo until it is unlocked.

(2) archive-R requires an unlock code. If you already installed and unlocked archive-R version 1.0, this does not apply.

(3) If you were in support on or after this date you are eligible for this version.

B – Installation and Unlocking Instructions

You Do Not Need to Uninstall Your Previous Version of dTective before installing dTective 6.1. The 6.1 installer will uninstall your previous installation.

Unlocking - ClearID v2.5 **will require a new unlock code** but it will run in a full Featured demo mode for 30 days until you unlock it. If you do not own a copy of ClearID, contact your sales representative. CID v2.5 is a free upgrade to current ClearID customers who are in support as of the above date.

CID v2.5 requires Photoshop CS4 or CS5. You can upgrade to CS5 for as little as $199. Additionally, a CS5 demo version can be downloaded from the Adobe web site.

Unlocking dTective - Upgrading from SP1
All dTective modules in dTective v6.1 should remain unlocked.

Unlocking dTective - Upgrading from a previous version before SP1
DVR dCoder v2.53 - requires a new unlock code if upgrading from a version prior to DVR dCoder v2.52.

We have record of your DVR dCoder SN, so we will email you your unlock code to the email address you provided on the download form if needed.

Unlocking archive-R

If you have never installed archive-R, this will need to be unlocked. Please follow the registration instructions in the program user guide. If you are connected to the internet, you can do an instant online registration/unlock. If not, click on the "by phone" option in the registration interface. This provides you a "Copy To Clipboard" option so you can email your code to support@oceansystems.com from any machine connected to the internet or you can call us at 800-253-7516.

C - More Details about the Tools

Archive-R v1.0.1

This v1.0.1 release of archive-R resolves an issue on systems that have multiple CD/DVD drives installed. The issue was if you were burning to the second installed CD/DVD drive and archiving to multiple discs, archive-R would switch back to your primary installed drive. This issue has been resolved.

Avid Media Composer v5.0 - QT Support using Avid AMA

Avid Media Composer v5.0 adds Avid QT AMA support for direct file access without importing the media into Avid. Supported files including - uncompressed QT files exported from dPlex Pro v2.5 and DVR dCoder v2.5.3, QT-H264, .3gp, and more.

Avid AMA supports a number of different standard digital video camera formats from market leaders like Sony, Panasonic, JVC and Canon. It even works with QT from Flip cameras.

Web - To learn more about Avid AMA
www.avid.com/US/products/Avid-Media-Access

Video - Watch a Demo of media being accessed via Avid AMA
http://www.youtube.com/watch?v=SMXN3cEh5so

D - New Digital and Analog Work Flows

If you are new to the combination of DVR dCoder with TIFF export, ClearID, etc., you can visit the follow link for a summary and an overview video.

http://www.oceansystems.com/dtective/processing_overview.html

You can also contact your sales rep to review the new features and workflows.

E – Training

We highly encourage you to stay up to date with not only your tools but your training.

FVA 201: Continuing ED - Digital Video and Image Analysis - DVR dCoder/PS/ClearID

FVA 101: Introduction to Forensic Video Analysis - dTective/ClearID/Avid

DAC 101: Forensic Audio Clarification for FVA Personnel

LEVA: Forensic Video Certification Program @ University of Indy.

More about LEVA

We encourage you to get involved with LEVA and look into their Forensic Certification Program. Not only will you be able to network with some of the best and brightest forensic multimedia analysts in the world, but you will be exposed to comprehensive analysis and legal training on a path to FVA certification. Contact your sales representative to discuss your options or email sales@oceansystems.com.

Release History (dTective)

All releases are cumulative to the previous releases.
NAFD = Not available for download.

dTective v6.1.1 updated archive-R from v.1.0.1 to v1.0.2 11/2010

Program	Version v6.1	Version SP2	Version SP1
ClearID	2.5*	2.0.2	2.0.1
archive-R	1.0.1	Not Included	Not Included
DVR dCoder	2.5.3	2.5.3	2.5.2*
dPlex Pro	2.5.1	2.5.1	2.0.1
Avid AVX Plug-Ins			
dVeloper	2.0	2.0	2.0
SpotLight	1.1	1.1	1.1
MAGNIFi	1.1	1.1	1.1
dVeloper 4D	Not Versioned	Not Versioned	Not Versioned
ArthiMATIC	Not Versioned	Not Versioned	Not Versioned
Universal Noise Remover	Not Versioned	Not Versioned	Not Versioned
Color Safe Levels	Not Versioned	Not Versioned	Not Versioned
Color Safe Curves	Not Versioned	Not Versioned	Not Versioned
dTective Manual	v7.6	v7.6	v7.1
Release Date	9/2010	9/2010	2/2010

* Requires a new unlock code if running a previous version.

09/15/2008 v5.5.3FX - (For nVidia FX1100 through FX1500 Only)	
ClearID v2.0	Demo program or upgrade program installation option added
DVR dCoder v2.51	Sentinel dongle driver installation included
dTective AVX plug-ins	Removed RT from label in FX palette
Training Manual	v6.4 (Acrobat Reader Required)

Known Issues
dPlex Pro 2.08 - not able to save QuickTime movies when installed along with nVidia 100 series driver.

07/17/2008 v5.5.3 - NAFD	
dTective AVX plug-ins	Resolved issue with UI preview window not displaying correctly when used with Media Composer 3.0

04/24/2008 v5.5.0 - NAFD	
DVR dCoder v2.5	Adds TIFF export option and adjustable video playback rate
MAGNIFi	Resolved issue - some users could not keyframe the view to turn off and then back on
SpotLight	Resolved issue - Spotlight showing as an "oval" to show as a Circle in progressive projects
dVeloper	Resolved render issue with dVeloper in a progressive project you could preview but not render
Training Manual	v6.3 (Acrobat Reader Required)

11/19/2007 v5.1 - NAFD	
Media Mover	Media Mover 3.0.3 (supports MXF format)
dCoder	dCoder manual added
Training Manual	v6.2

4/12/2007 v5.01 - NAFD	
Training Manual	v6.0 (Acrobat Reader Required)

Thank you for choosing Ocean Systems as your solutions provider.

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You Do Not Need to Uninstall Your Previous Version of dTective before installing dTective w/SP2. The SP2 installer will uninstall your previous installation.

Contact us if you have any questions so we can assist you.

800-253-7516
sales@oceansystems.com
support@oceansystems.com

dTective SP2 Release Notes (Summary)

The following features are cumulative to those listed in previous releases.

1 - DVR dCoder v2.5.3 – Improved Audio and QT Support of AMA

Audio frame sync has been updated and the QT files exported are supported in Avid Media Composer v5.0 which adds Avid QT AMA support for direct file access without importing the media into Avid. Supported files include uncompressed QT files exported from dPlex Pro and DVR dCoder v2.5.3. Learn more in section C.

2 – CID Updated to v2.0.2 –Adds Photoshop CS5 Installer

CID v2.0.2 provides an installation option for Photoshop CS5.

3 – dPlex Pro v2.5.1 – Compatible with operating systems that are 64bit installation such as many Vista and Windows 7 systems, plus other updates

We made some interface improvements and internal changes to the program to make it more stable, easier-to-use, and more compatible with 64bit installations of the Vista and Window 7 operating systems. This release also allows you to work at different screen dot-per-inch (dpi) display settings other than 96 dpi.

4 – New Programs Folder structure for Ocean Systems programs

If you go start/programs, everything is now stored under a unified Ocean Systems folder. Example: Ocean Systems/dTective, Ocean Systems/ClearID, etc.

5 – ClearID Manual added to Programs Folder

You now have easy access to the ClearID manual under Programs/Ocean Systems/ClearID so you can reference it without launching Photoshop and ClearID

6 – Online Video Link added to Ocean Systems Programs Folder

From any system with internet access you can watch overview videos of current features and learn about updated workflows using our latest tools.

7 – Training Manual Updated from v7.1 in SP1 to 7.6

Ocean Systems Programs Included By Service Pack Release

Program	Version SP2	Version SP1
ClearID [1]	2.0.2	2.0.1
DVR dCoder	2.5.3	2.5.2 [2]
dPlex Pro	2.5.1	2.5.0
Media Mover	Removed [3] 3.1	
archive-R	Not included	Not included
Avid AVX Plug-Ins		
dVeloper	2.0	2.0
SpotLight	1.1	1.1
MAGNIFi	1.1	1.1
dVeloper 4D	Not Versioned	Not Versioned
ArthiMATIC	Not Versioned	Not Versioned
Universal Noise Remover	Not Versioned	Not Versioned
Color Safe Levels	Not Versioned	Not Versioned
Color Safe Curves	Not Versioned	Not Versioned
dTective Manual	v7.6	v7.1
Free to – Support Date [4]	1/14/2007	1/14/2007
Release Date	9/2010	2/2010

(1) Program will run in full featured demo until it is unlocked. If you don't own ClearID, you can use it in demo mode for 30 days. Required - Photoshop CS2 or higher which can be downloaded from the Adobe web site.

(2) DVR dCoder 2.5.3 will not need to be unlocked if you already have 2.5.2 installed and unlocked. But if are upgrading from a previous version, you will need a new unlock.

(3) archive-R from Ocean Systems is an improved project archiving tool that was released 5/7/2010. For more information, visit the Ocean Systems web site where you can watch a video overview and download a demo. Installing SP2 will not remove Media Mover from your system. archive-R can be purchased standalone or you can update your dTective support contract to get all the latest dTective tools.

(4) If you were in support on or after this date you are eligible for SP2.

B – Installation and Unlocking Instructions

You Do Not Need to Uninstall Your Previous Version of dTective before installing dTective w/SP2. The SP2 installer will uninstall your previous installation.

Installing and Unlocking dTective w/SP2

Unlocking dTective - Upgrading from SP1 to SP2
All dTective modules in SP2 should remain unlocked if you are updating from SP1.

Unlocking dTective - Upgrading from a previous version before SP1
DVR dCoder v2.53 - requires a new unlock code if upgrading from a version prior to DVR dCoder v2.52.

C - More Details

Avid Media Composer v5.0 - QT Support using Avid AMA

Avid Media Composer v5.0 adds Avid QT AMA support for direct file access without importing the media into Avid. Supported files including - uncompressed QT files exported from dPlex Pro v2.5 and DVR dCoder v2.5.3, QT-H264, .3gp, and more.

Avid AMA supports a number of different standard digital video camera formats from market leaders like Sony, Panasonic, JVC and Canon. It even works with QT from Flip cameras.

Web - To learn more about Avid AMA
www.avid.com/US/products/Avid-Media-Access

Video - Watch a Demo of media being accessed via Avid AMA
http://www.youtube.com/watch?v=SMXN3cEh5so

D - New Digital and Analog Work Flows

If you are new to the combination of DVR dCoder with TIFF export, ClearID, etc., you can visit the follow link for a summary and an overview video.

http://www.oceansystems.com/dtective/processing_overview.html

You can also contact your sales rep to review the new features and workflows.

E – Training

We highly encourage you to stay up to date with not only your tools but your training.

FVA 201: Continuing ED - Digital Video and Image Analysis - DVR dCoder/PS/ClearID

FVA 101: Introduction to Forensic Video Analysis - dTective/ClearID/Avid

DAC 101: Forensic Audio Clarification for FVA Personnel

LEVA: Forensic Video Certification Program @ University of Indy.

More about LEVA

We encourage you to get involved with LEVA and look into their Forensic Certification Program. Not only will you be able to network with some of the best and brightest forensic multimedia analysts in the world, but you will be exposed to comprehensive analysis and legal training on a path to FVA certification. Contact your sales representative to discuss your options or email sales@oceansystems.com.

OCEAN SYSTEMS

dTective®

A Revolutionary Way to Clarify Forensic Video

dTective w/Service Pack 1 (SP1) - Released 02/4/2010

- New Features Reviewed -
- Installation Notes -
- Release History -

Thank you for choosing Ocean Systems as your solutions provider.

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Do Not Uninstall Your Previous Version of dTective Before Installing dTective w/SP1

If you have any questions regarding these new features or have any additional questions, please contact us so we can assist you. 800-253-7516

A- New Features (Summary)

1 - Avid Media Composer v3.5 Dongle-less Support

1.1 dTective SP1 supports dongle-less mode.

2 - DVR dCoder v2.5.2

2.1 TIFF files exported from DVR dCoder are now viewable in more applications.

3 – MAGNIFi v1.1 and SpotLight v1.1

3.1 Avid key framing issue resolved for progressive projects.

4 - dPlex Pro v2.5

4.1 **Avid "Send To" dPlex Pro** integration has been refined.

4.2 **Frame Counter Window Expanded -** Now supports 7 digits numbers.

4.3 **Video Previews Controls -** Updated controls for previewing and scrubbing.

4.4 **Camera View Name Field Now 35% Wider**

4.5 **File Export Frame Rate Options** - PAL export frame rate feature updated.

4.6 **Export Settings Remembered -** dPlex Pro now remembers your last export.

4.7 **Project Save/Open Function Fixed – Issue with dPlex Pro v2.09**

5 – Training Manual v7.1

B - New Features (Explained in More Detail)

1 - Avid Media Composer v3.5 Support (Details)

1.1 Beginning with the release of Avid Media Composer v3.5, Avid can now be run with or without an Avid dongle. dTective w/SP1 supports both modes.

A - Systems shipped from Ocean Systems before Nov 1, 2009

Should you run Avid in a dongle-less mode or not?

dTective requires a dongle to run. Systems shipped before November 1, 20 09, shipped with an Avid dongle and dTective is unlocked to that Avid dongle. If you select to run Avid in a dongle -less mode, dTective will remain unlocked to the Avid dongle so regardless of which mode you run the Avid in; you will still need the Avid dongle to run dTective. For this reason, we recommend you leave Avid unlocked to the Avid dongle.

If you have a single Avid dongle/license and you run Avid on more than one machine.

If you run Avid on more than one system and only own one Avid license and dongle**,** you may want to continue running Avid in the Avid dongle mode. Here is why. It is easier to move the Avid dongle from one system to the next verses going through the Avid online un -registration and re -registration process each time you want to move from one system to the next. Regardless of if you run Avid with or without the Avid dongle, dTective will remain unlocked to this Avid dongle so you will need it anyway.

B - Systems shipped from Ocean Systems after Nov 1, 2009

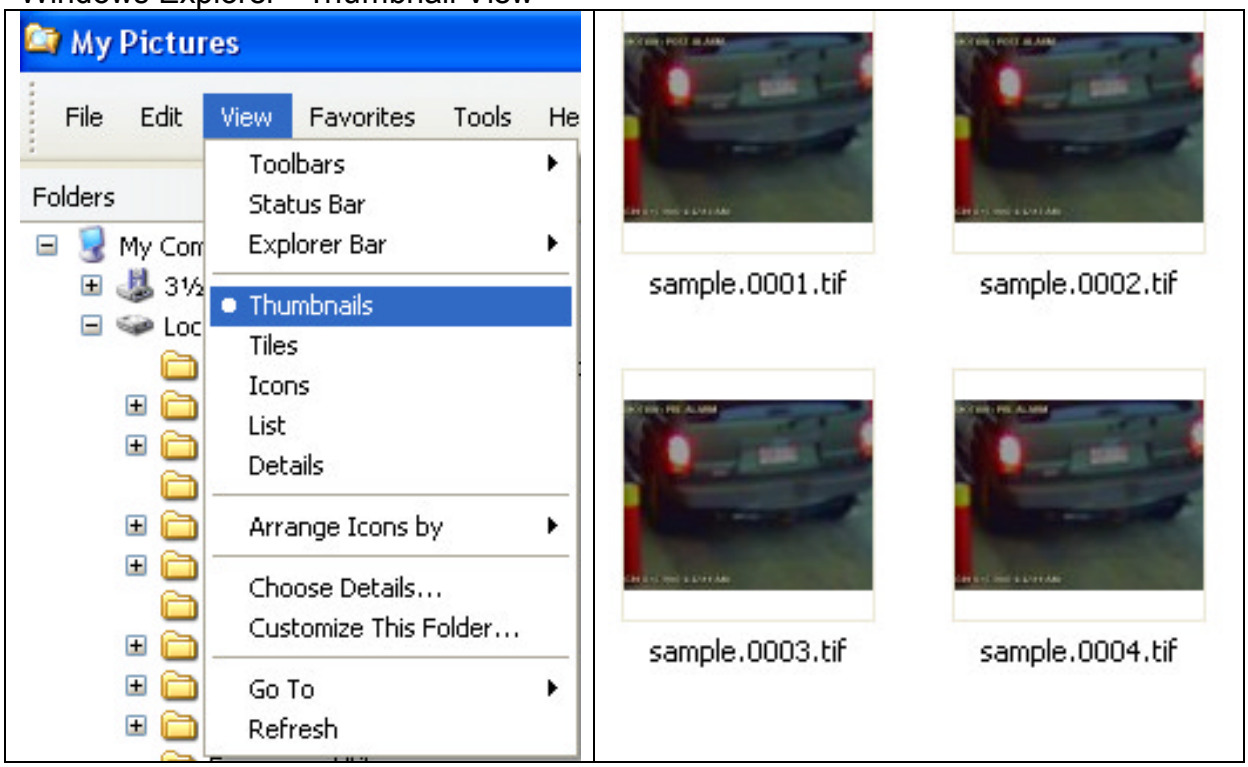
These systems did not include an Avid dongle.

These systems did not include an Avid dongle so they are running in the Avid dongle-less mode. Since dTective requires a dongle to unlock it, we provided a new separate dTective dongle which has a yellow tag.

2 - DVR dCoder v2.5.2 (Details)

2.1 TIFF files exported from DVR dCoder can now be viewed using more graphic files viewing programs such as (1) Windows Explorer and Windows Picture and Fax Viewer.

Windows Explorer - Thumbnail View



Windows Picture and Fax Viewer

3- MAGNIFi v1.1 and SpotLight v1.1 (Details)

3.1 When in an Avid Progressive project you could set the key-frames but when you went back to edit them, you could not see the changes taking effect. This issue has been resolved.

---

4 - dPlex Pro v2.5 (Details)

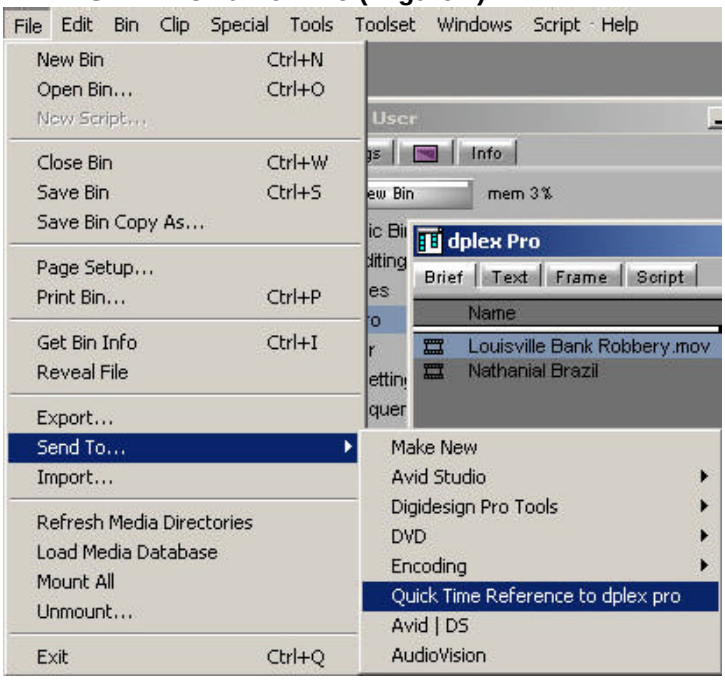
Avid “Send To” dPlex Pro integration has been refined

4.1 - The Avid "Send To" function reduces the steps required to get a video clip from Avid to external programs for further processing.

Once you set up the Avid "Send To" command to work with dPlex Pro, you simply highlight the multiplexed clip in the Avid bin or timeline then select “Send To” QuickTime Reference To dPlex Pro (Figure 1). Avid will automatically create the QuickTime reference export file and send it to dPlex Pro which will then automatically launch with the clip in the dPlex Pro viewer.

If you have been using the Avid “Send To dPlex Pro” command with dPlex Pro v2.09 or previous versions, you no longer need to rename the camera views before saving the camera video clips.

AVID “SEND TO” dPlex Pro (Figure 1)



Avid “Send To” dPlex Pro Set-Up Instructions

Instructions to set up the Avid “Send To” dPlex Pro function are posted on the Ocean Systems web site at this URL.

http://www.oceansystems.com/support/faq/OS/dPlexPro_Avid_send_to_command_ID84.html

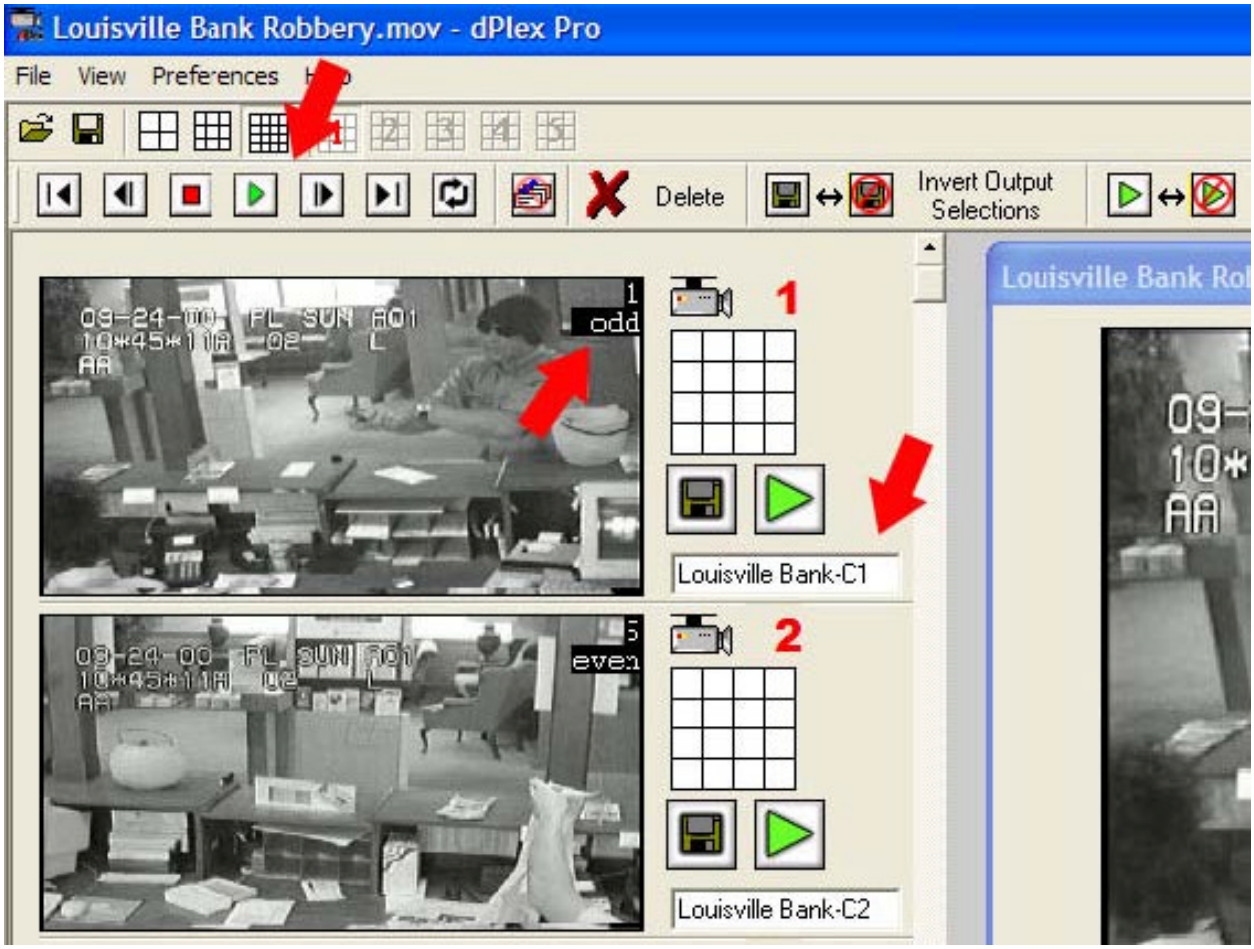
dPlex Pro Interface Improvements

4.2 Video Previews Controls – More responsive controls for previewing.

4.3 Frame Counter Window Expanded - Now supports 7 digits numbers

4.4 Camera View Name Field Now 35% Wider

Product Improvements Regions Labeled by Red Arrows



dPlex Pro File and Settings Updates

4.5 **File Export Frame Rate Options** - PAL export frame rate feature updated

4.6 **Export Settings Remembered -** dPlex Pro now remembers your last export

4.7 **Project Save/Open Function Fixed – Issue with dPlex Pro (v2.09 only)** dPlex Pro v2.09 had an issue with saving projects therefore they couldn't be opened after saving. This functionality has been restored in dPlex Pro v2.5. You can now save and restore dPlex Pro projects again. Version 2.5 will also open dPlex Pro projects from previous versions - excluding v2.09projects which had the saving issue.

C - New Digital and Analog Work Flows

NEW Digital and Analog Video Workflows

The combination of DVR dCoder v2.52 with TIFF export and ClearID v2.x provides you a streamlined yet powerful digital video workflow. Additionally, ClearID expands your analog video and latent print clarification arsenal.

Watch this video overview of the latest digital video workflow using DVR dCoder and ClearID http://www.oceansystems.com/dtective/processing_overview.html

D – Training

We recommend you contact us for updated training regarding newest workflows for digital and analog video using the latest tools

FVA 101: Introduction To Forensic Video Analysis -dTective/ClearID/Avid

FVA 201: Continuing ED -Digital Video and Image Analysis -DVR dCoder/PS/ClearID

DAC 101: Forensic Audio Clarification for FVA Personnel

LEVA: Forensic Video Certification Program @ University of Indy

E – Installation and Unlocking

Do Not Uninstall Your Previous Version of dTective before installing dTective w/SP1

The Ocean Systems dTective w/SP1 installer will back up your dTective AVX plugin(s) in case you need them to recreate old cases. While this rarely is an issue, we are providing you this extra feature just in case.

- dVeloper, dPlex, SpotLight, MagniFi, dVeloper 4D, Arthimatic, UNR - Universal Noise Remover, Color Safe Curves, Color Safe Levels

Unlocking dTective w/SP1

DVR dCoder v2.52 (requires a new unlock code) - This code will be emailed to the address you provided on the download form.

All other dTective modules in dTective w/SP1 should remain unlocked from your previous installation.

Included in dTective w/SP1

Program	**Version**
DVR dCoder	2.5.2
dPlex Pro	2.5
Media Mover	3.1
Avid AVX Plug-Ins	
dVeloper	2.0
SpotLight	1.1
MAGNIFi	1.1
dVeloper 4D	Not Versioned
ArthiMATIC	Not Versioned
Universal Noise Remover	Not Versioned
Color Safe Levels	Not Versioned
Color Safe Curves	Not Versioned
dTective Manual	v7.1

E – Release History (dTective)

All releases are cumulative to the previous releases.
NAFD = Not available for download.

09/15/2008 v5.5.3FX - (For nVidia FX1100 through FX1500 Only)	
ClearID v2.0	Demo program or upgrade program installation option added
DVR dCoder v2.51	Sentinel dongle driver installation included
dTective AVX plug-ins	Removed RT from label in FX palette
Training Manual	v6.4 (Acrobat Reader Required)

Known Issues
dPlex Pro 2.08 - not able to save QuickTime movies when installed along with nVidia 100 series driver.

07/17/2008 v5.5.3 - NAFD	
dTective AVX plug-ins	Resolved issue with UI preview window not displaying correctly when used with Media Composer 3.0

04/24/2008 v5.5.0 - NAFD	
DVR dCoder v2.5	Adds TIFF export option and adjustable video playback rate
MAGNIFi	Resolved issue - some users could not keyframe the view to turn off and then back on
SpotLight	Resolved issue - Spotlight showing as an "oval" to show as a Circle in progressive projects
dVeloper	Resolved render issue with dVeloper in a progressive project you could preview but not render
Training Manual	v6.3 (Acrobat Reader Required)

11/19/2007 v5.1 - NAFD	
Media Mover	Media Mover 3.0.3 (supports MXF format)
dCoder	dCoder manual added
Training Manual	v6.2

4/12/2007 v5.01 - NAFD	
Training Manual	v6.0 (Acrobat Reader Required)

Release Notes for ClearID 2.6.1

Date: 05/29/2012

Version	ClearID 2.6.1	ClearID 2.5	ClearID 2.0.2
Support Date*	04/01/2010	04/01/2010	--
Release Date	05/29/2012	09/14/2010	06/03/2010

*Free upgrade to customers that are in support as of this date.

New and Updated Features

- Compatible with Adobe Photoshop CS6 in 32bit mode
- New registration/unlock code screen and new online unlock code request processing
- Fixed Microsoft Share Point conflict with Interactive Deblur

Ocean Systems® ClearID® > Registration 2.6.1
*** ClearID® is currently running in 30-Day Trial Mode ***
ClearID® Product Key: XXXX-XXXX-XXXX-XXXX
Unlocking Your ClearID License:
STEP 1 - Request an Unlock Code:
Click here or go to www.oceansystems.com/cid/unlock
STEP 2 - Enter your ClearID Serial Number and Unlock Code:
Serial Number:
Unlock Code:
STEP 3 - Click "OK" to unlock your copy of ClearID
OCEAN SYSTEMS
Ocean Systems
+1 301-476-8015
Sales@oceansystems.com
Support@oceansystems.com
Cancel
OK

New ClearID Registration/Unlock Screen

Release Notes for ClearID 2.5

Date: 09/14/2010

Version	ClearID 2.5	ClearID 2.0.2
Support Date	04/01/2010	--
Release Date	09/14/2010	06/03/2010

New and Updated Features

- F7 Key added for launching ClearID (New)
- Removing Alpha/Opacity Channels for accommodate PS CS5 change
    - Import Images as a Layer Stack now hashes & removes the Alpha Channel if present.
    - F8 Key function – Removes alpha channel
- Improved real-time preview, faster launching and faster rendering speeds
- Use keyboard arrow keys to make adjustments in Video Field Alignment (New)
- Split Layer Stack into Fields function (New)
- ClearID Super-Resolution Functions (New)
- Interactive Deblur has been split into two functions so they open with better default settings
- Interactive Channel Selector with interactive preview and more channels (New)
- Verification Report Improved
    - The report is now HTML with enhanced formatting.
    - Reports Photoshop version and ClearID version information.
    - Thumbnail image is now displayed in the verification report.
    - Expand and collapse buttons allowing you to see the detail level you want.

Reference the new ClearID User Manual for more details on all these features after reviewing them here.

F7 Key added for launching ClearID

Prior versions of ClearID used the F10 hot key to bring up the Clear ID workflow interface. Due to changes in Photoshop CS5, we migrated to the F7 key for more consistent performance. F10 will continue to work with this version of ClearID 2.5, however in testing we experienced intermittent delays with the interface appearing after F10 was selected.

Testers reported having to "click" on the Photoshop interface after F10 was pressed to open the ClearID interface and intermittent delays with the workflow interface opening.

You can also launch ClearID from PS Filters Menu > ClearID Workflow or PS Files > Scripts > ClearID Workflow

Removing Alpha/Opacity Channels

Alpha/opacity channels are treated differently in CS5. Images with an alpha channel now display a "checkered" pattern with no visual information. Additionally, programs like Windows Picture viewer have issues displaying these images.

Import Images as a Layer Stack removes the Alpha Channel if present now hashes

This tool is located under the main Photoshop menu: File >Scripts>ClearID> Import Images as Layers. This is similar to importing images from the Adobe Bridge: Tools>Photoshop>Load Files into Photoshop Layers, only the ClearID function will hash the image file layers on import and remove the Alpha/Opacity channel if it is present.

If you are using TIFF images from DVR dCoder v2.5.2 or later, this should not be an issue. But if you are using TIFF images created by earlier versions or by other programs, importing images from the ClearID> Import Images as a Layer Stack is an extra safeguard in your workflow process.

F8 Key function – Removes Alpha Channel

If you imported images directly from Adobe Bridge instead of using the ClearID> Import Images as a Layer Stack, you can remove the Alpha Channel on an image or images by using the newly assigned ClearID F8 key.

Regardless of which import method you use, your images will get a final hash when you run the verification report.

New improved real-time preview, faster launching and faster rendering speeds

- Lens and Motion De-Blur, Ultimate Sharpener, Pattern Remover, Frequency Filters

While using any of these filters, open an image and moves the sliders. You should get real-time updates as you slide them. This is a vast performance increase over ClearID v2.0. Additionally, on internal testing, we charted the launching of these plug-ins at up to 40% faster and the rendering speeds up to 30% faster.

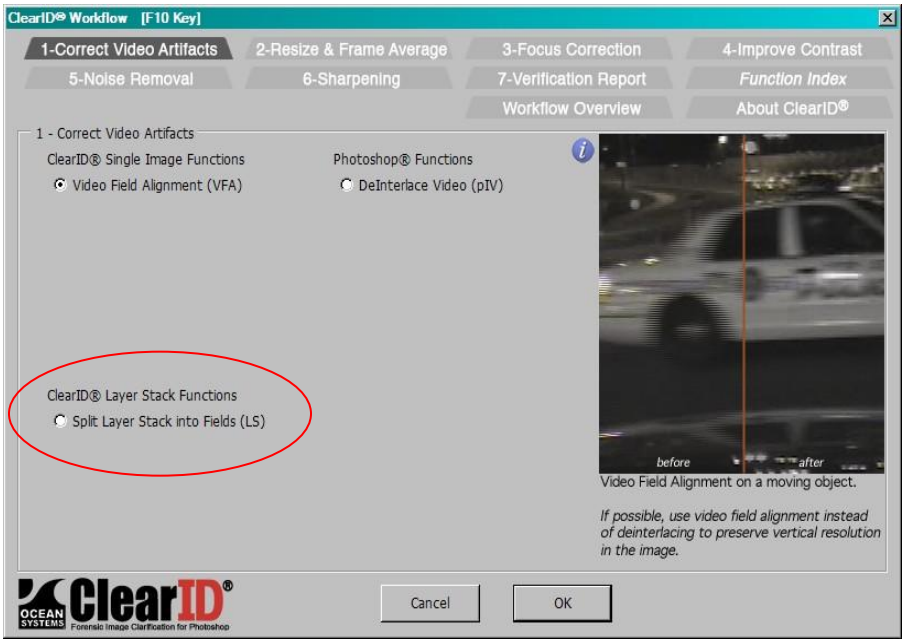
New Use Keyboard Arrow Keys to Make Adjustments in Video Field Alignment

Hold down the CTRL key along with the up, down, left, or right arrow keys to shift the fields.

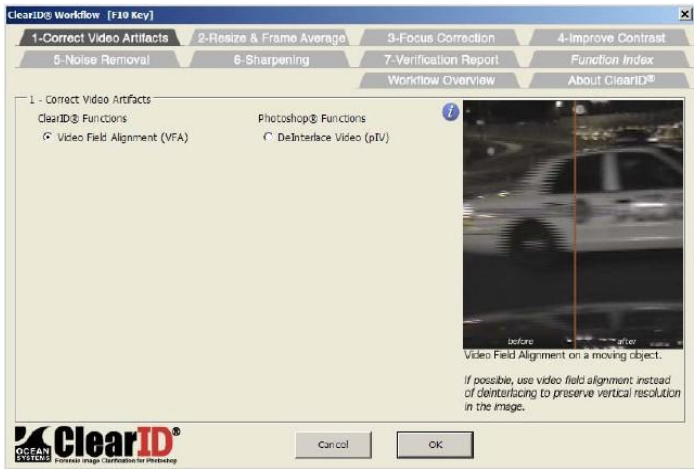
Split Layer Stack into Fields

If you have imported your images as layers that have two fields, you can now split image(s) into two separate layers so you have a separate layer for each field.

New



Old

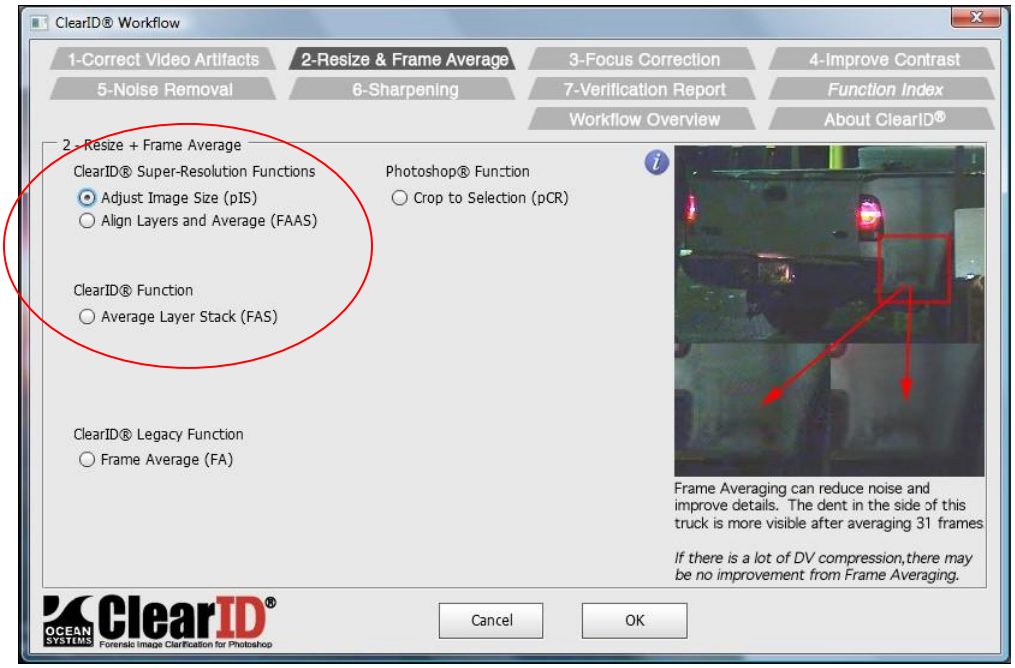


ClearID Super-Resolution Functions

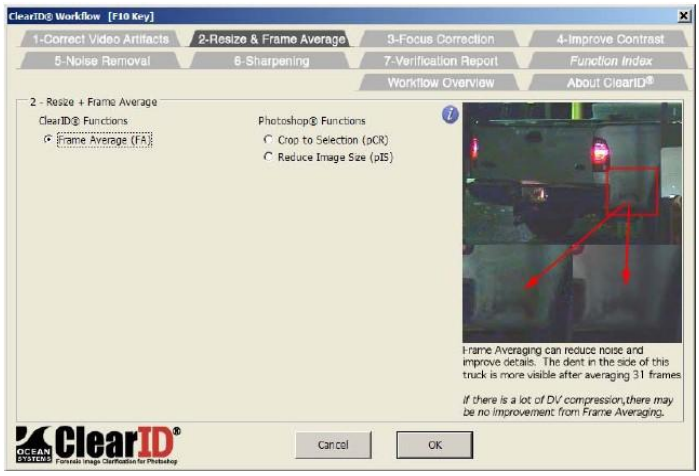
We added a heading called ClearID Super-Resolution Functions. There is detailed information on this process in the user manual.

- Reduce Image Size (pIS) name changed to Adjust Image Size (pIS) and moved under super-resolution functions.
- Align Layers and Average (new) - Open two or more consecutive images and align them to a target, then average to view more details.
    - **Hot Keys** - CTRL Tab - Next Image, CTRL +Sht + Tab Previous Image, CTRL + arrow keys nudge images and CTRL + mouse to move large distances.
- Average Layer Stack - Allows you to frame average a layer stack that doesn't need to be aligned first.

New



Old


ClearID® Workflow [F10 Key]
1-Correct Video Artifacts
2-Resize & Frame Average
3-Focus Correction
4-Improve Contrast
5-Noise Removal
6-Sharpening
7-Verification Report
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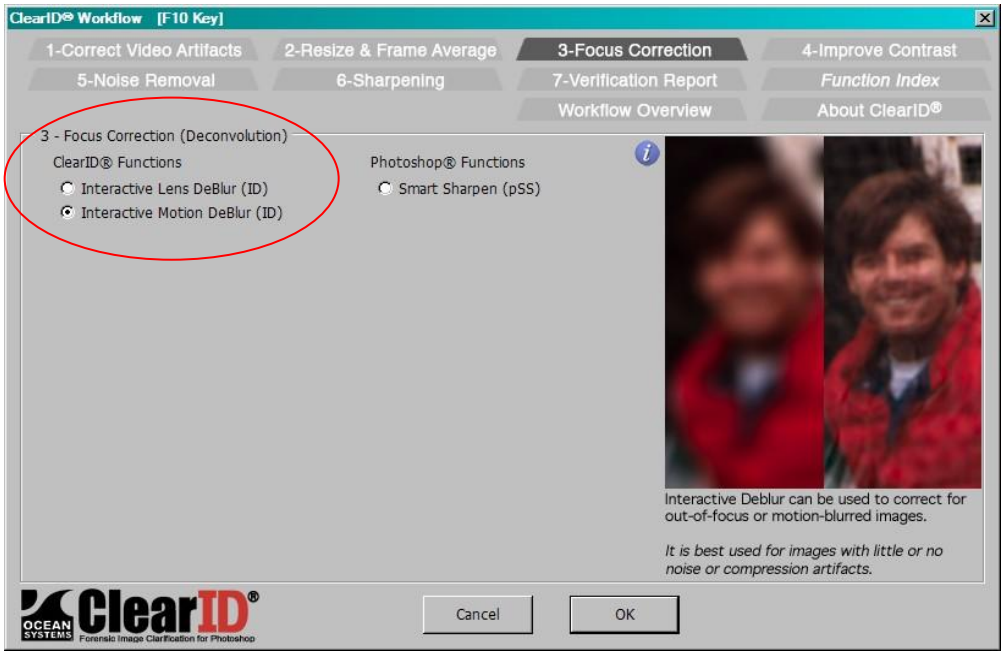
Frame Average (FA)
Photoshop® Functions
Crop to Selection (pCR)
Reduce Image Size (pIS)
Frame Averaging can reduce noise and improve details. The dent in the side of this truck is more visible after averaging 31 frames
If there is a lot of DV compression,there may be no improvement from Frame Averaging.
ClearID
Cancel
OK

Interactive Deblur has been split into two functions

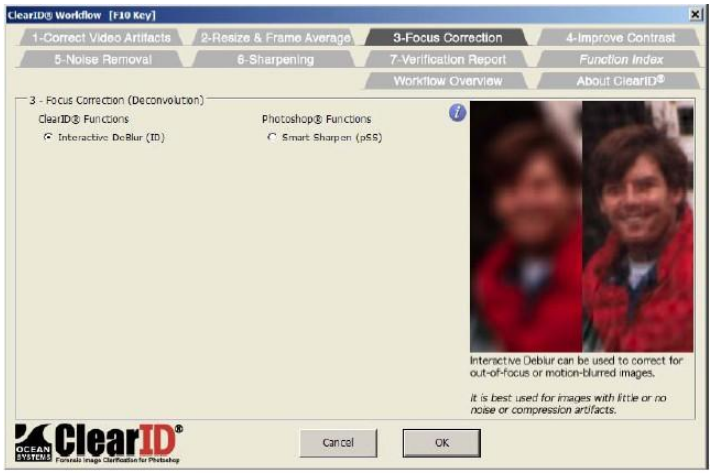
This allowed us to apply better default settings so each opens in a mode that provides better results.

- Interactive Lens DeBlur (ID)
- Interactive Motion DeBlur (ID)

New



Old

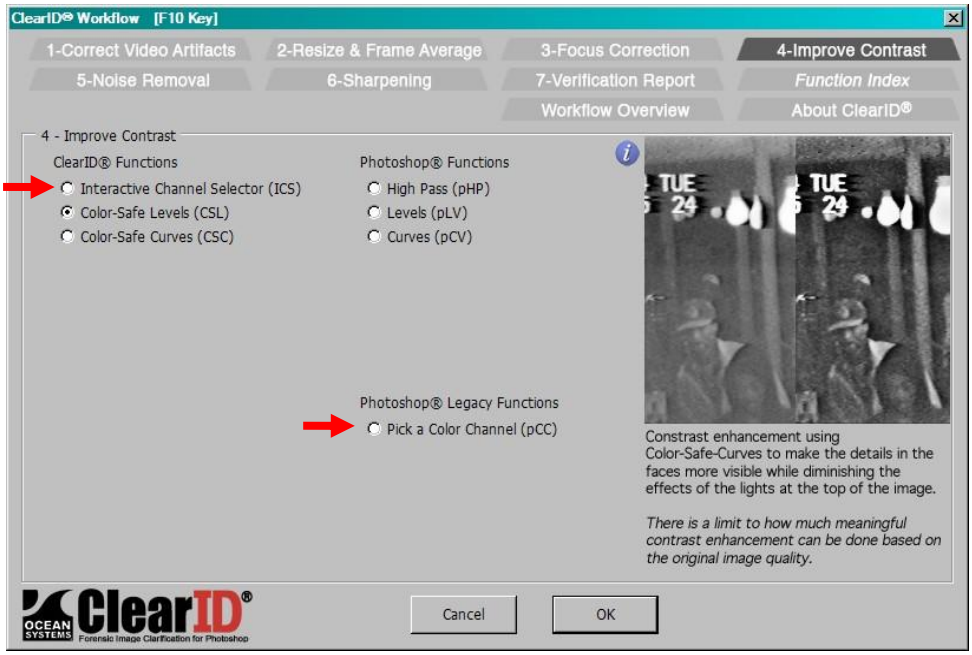


New Interactive Channel Selector (ICS)

This is much improved over the old process. Now you view more color channels and toggle between them and apply them all in one place.

- **Hot Keys** - Key letters (R, G, B, Y, etc. plus the `, 1, 2, 3, 4, etc.) and the F1, F2, F3, etc. Space Bar toggles between the last two images viewed.

New


ClearID® Workflow [F10 Key]
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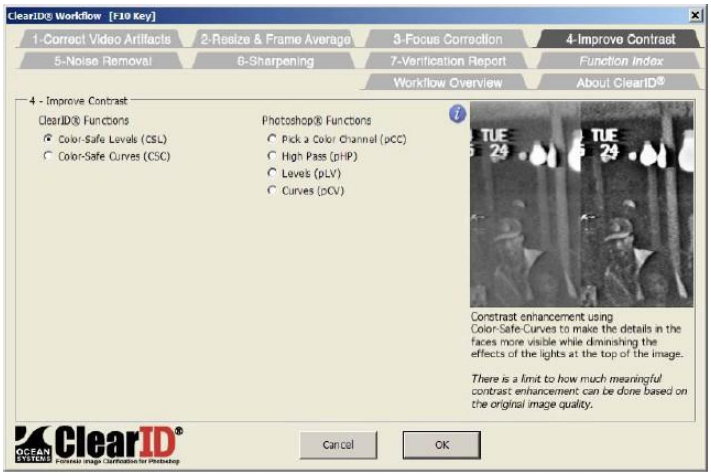
Levels (pLV)
Curves (pCV)
Photoshop® Legacy Functions
Pick a Color Channel (pCC)
Constrast enhancement using Color-Safe-Curves to make the details in the faces more visible while diminishing the effects of the lights at the top of the image.
There is a limit to how much meaningful contrast enhancement can be done based on the original image quality.
ClearID®
Forensic Image Clarification for Photoshop
Cancel
OK

Old


ClearID® Workflow [F10 Key]
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Photoshop® Functions
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High Pass (pHP)
Levels (pLV)
Curves (pCV)
Constrast enhancement using Color-Safe-Curves to make the details in the faces more visible while diminishing the effects of the lights at the top of the image.
There is a limit to how much meaningful contrast enhancement can be done based on the original image quality.
ClearID®
Cancel
OK

Verification Report Improved

- The report is now HTML with enhanced formatting.
- Reports Photoshop version and ClearID version information.
- Thumbnail image is now displayed in the verification report.
- Expand and collapse buttons allowing you to see the detail level you want.

Verification Report - Images that were imported via the ClearID - Import Images as Layer Stack function located in Photoshop > File > Scripts. As such, the images have a hash in the layer name and a full SHA-1 hash value for each. To learn more about this function, reference the CID training manual.

Ocean Systems® ClearID® Verification Report Expand Collapse

Document Info:

Location = ~/Desktop
Name = Test CS 5.tif
Type = RGB Color, 8 bits-per-channel
Dimensions = (352 x 240) pixels
Date/Time = Fri Jul 23 2010 13:09:36 GMT-0400
ClearID® Version: 2.5
Photoshop® Version: CS5

Example

Layer: CID ID:Lens Blur R=0.5 N=1.4 #**E9B2E9**# v2.5/CS5
SHA1 = FEAA8A38D69AC9EFB4777008EE3CC871A3**E9B2E9** (image+alpha)
--> ClearID®: Interactive Lens DeBlur [Tab 3]
Photoshop® Layer Properties: Visible, Normal, Graphic Layer, Opacity 100%, Offset (H: 0, V: 0)

Layer: CID FAAS: 3 images #**D9C475**# v2.5/CS5
SHA1 = E648F7E762FAB76D3AE7A071D565F862E2**D9C475** (image+alpha)
--> ClearID®: Align Layers and Average [Tab 2]
Average based upon stack of 3 Layers:

dX	dY	Source Name
24	-4	vans2.0047.tif
0	0	vans2.0048.tif
-25	1	vans2.0049.tif

Photoshop® Layer Properties: Visible, Normal, Graphic Layer, Opacity 100%, Offset (H: 0, V: 0)

Verification Report - Images sent directly from Adobe Bridge.
If you send images directly from Bridge, they will not have the hash in the layer name since they are not hashed on import, but they will get hashed when you create the verification report.

Ocean Systems® ClearID® Verification Report Expand Collapse

▼ **Document Info:**

Location = ~/Desktop
Name = Test CS 5.tif
Type = RGB Color, 8 bits-per-channel
Dimensions = (352 x 240) pixels
Date/Time = Fri Jul 23 2010 13:09:36 GMT-0400
ClearID® Version: 2.5
Photoshop® Version: CS5

▼ **Layer:** vans2.0047.tif
SHA1 = AC45B7B87565DA58F6965A33250E31C963**511EF1** (image+alpha)
Non-ClearID® Layer
Photoshop® Layer Properties: Visible, Normal, Graphic Layer, Opacity 100%, Offset (H: 0, V: 0)

▼ **Layer:** vans2.0048.tif
SHA1 = 58AC9A5C7C38F5EBB430F725C5B0FF4E383**AE8BC** (image+alpha)
Non-ClearID® Layer
Photoshop® Layer Properties: Visible, Normal, Graphic Layer, Opacity 100%, Offset (H: 0, V: 0)

▼ **Layer:** vans2.0049.tif
SHA1 = EB18166C2203D5B77E407DF221F0B03E67**BC5234** (image+alpha)
Non-ClearID® Layer
Photoshop® Layer Properties: Visible, Normal, Graphic Layer, Opacity 100%, Offset (H: 0, V: 0)

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Installing ClearID v2.5

Computer Requirements

- Win XP(32/64bit), Vista(32/64bit), Win7 (32/64bit)
- Photoshop CS4 and CS5 in (32-bit) only — we recommend you allocate 50% RAM to Photoshop
- Min Screen 1024x768

Internet Browser Note - Firefox users will need to have it open before clicking the integrated help.

This version of ClearID 2.5 unlocks "per user" *and not* "per machine". A new unlock code will be required. (This will effect multiple login users…using the same computer) Contact Oceans Systems Support if assistance is required. Until the program is unlocked, it will run in a 30 day trial.

You can only have one version of ClearID installed on your system at a time

The ClearID v2.5 installer auto-checks for existing ClearID installations on your systems. If one is found, it will prompt you asking if you would like to remove it before you proceed with your new installation.

Changing between ClearID v2.5 and previous versions.

If you would like to revert back to an older version of ClearID, you should remove any previous installations before proceeding.

ClearID v2.5 and ClearID v2.0.2 installers will automatically check for any previous installations and prompt you before it un-installs them. If you have ClearID v2.0 or v2.0.1, go to the download page and upgrade to v2.0.2 since it is a free upgrade and it includes this auto-checking installer. If you choose not to get this free upgrade, you will need to uninstall the existing ClearID manually via the add/remove programs function in windows before installing ClearID v2.0 or v2.0.1.

If you don't have the ClearID v2.0.2.exe installation handy and you need to install it, you can look on your system under C:Oceanystems/ClearID. This Ocean Systems folder is where we store the .exe files for the programs that have been installed on your system. This allows people to back rev if they need to recreate old work in the version that it was created in.

TIP *- Make sure your Photoshop and Bridge versions match when sending images to Photoshop from Bridge using the Bridge tool for sending images to Photoshop as layers.*

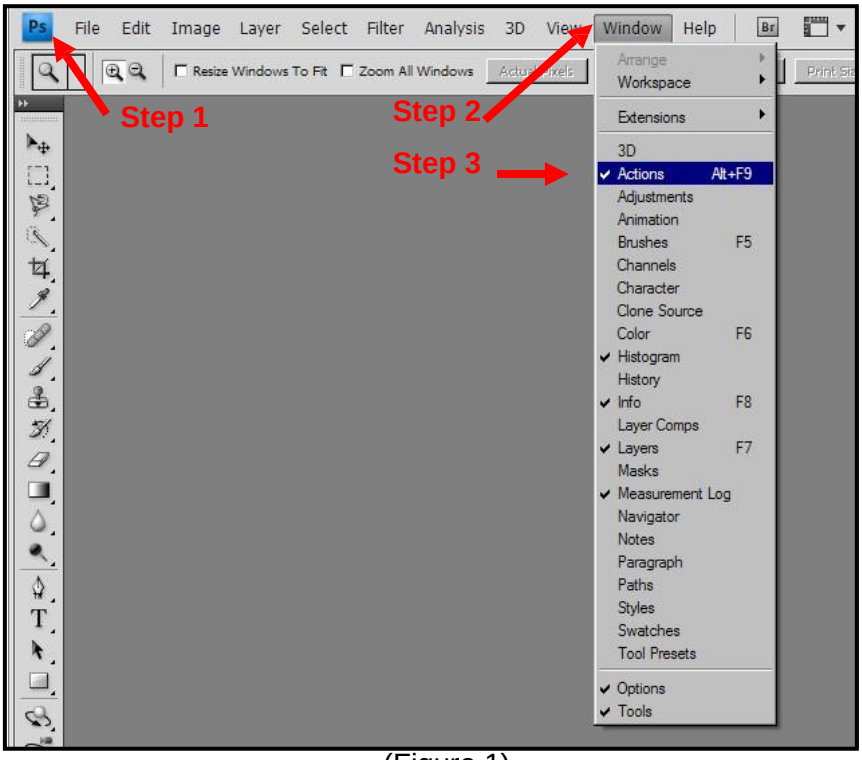
If you have two versions of Photoshop installed such as CS4 and CS5 you should match up the versions for Photoshop and Bridge. For Example - If using Bridge CS4 you should be using Photoshop CS4.

Installing ClearID v2.5 Actions

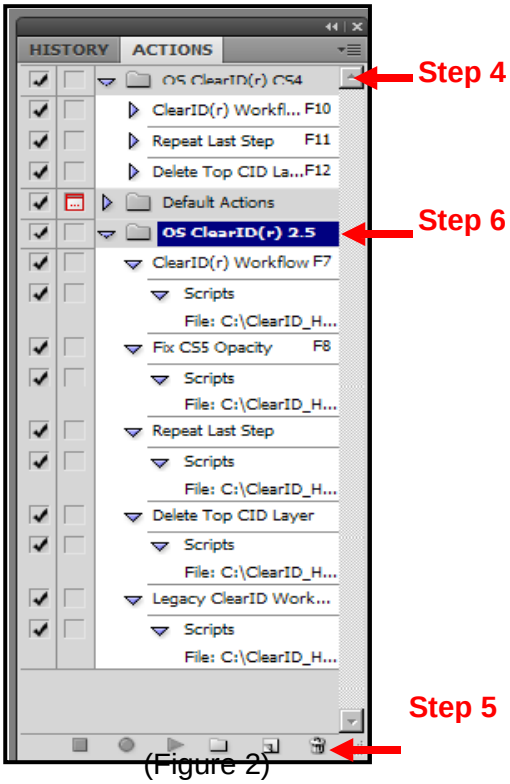
1. Launch Photoshop
2. In Photoshop, select “Window”
3. Select “Actions” or Alt+F9 - This will open the Actions interface
4. Delete your old ClearID Actions - Example “OS ClearID (r) CS4”
5. Drag the folder into the trash located at the bottom right hand corner of the Actions interface.
6. In the Actions interface, click the upper right corner to expand the menu, and then select the new “OS ClearID (r) 2.5” actions. (Figure 2)

Changing between ClearID v2.5 and ClearID v2.0

Don’t forget to load the matching Photoshop “actions” files if you are switching between versions. Delete your old actions and load the matching actions for the version of ClearID you are using. Do not leave two different actions loaded at once as they can cause conflicts.



(Figure 1)



(Figure 2)